

Abstract:

The invention relates to a sponge cloth based on cellulose and having an internal reinforcement, obtainable by the amine oxide process. In the process, a solution of cellulose in an aqueous amine oxide is first produced, which is then mixed with at least one pore former and fibers. The mixture is spread on a conveyor belt which is then guided through a coagulating bath comprised of a diluted aqueous amine oxide solution whose temperature is high enough such that the pore former melts and is dissolved out. Remaining amine oxide is washed out. After subsequent drying the sponge cloth layer is end-itemed. Contrary to the viscose process polymer degradation does not occur in the inventive process which results in a sponge cloth having an improved mechanical stability. A plastic net can replace the fiber reinforcement. The process is especially ecological and economical. The sponge cloth is highly water-absorbent and can be used for household or industrial purposes, especially for cleaning and decontaminating purposes.